

Index to Volume 55

The index is in two parts: the first deals with the articles, and the second with book reviews. The pagination in this volume is as follows:

Issue	1	2	3	4
Pages	1-109	111-218	219-328	329-452

Articles

Articles are placed in alphabetical order of their authors.

- 1 BARTON, R. Just before *Nature*: The Purposes of Science and the Purposes of Popularization in some English Popular Science Journals of the 1860s
- 329 BURNETT, C. King Ptolemy and Alchandreus the Philosopher: The Earliest Texts on the Astrolabe and Arabic Astrology at Fleury, Micy and Chartres
- 401 CHEN, X. Dispersion, Experimental Apparatus, and the Acceptance of the Wave Theory of Light
- 291 DAVIS, J. L. Artisans and Savants: The Role of the Academy of Sciences in the Process of Electrical Innovation in France, 1850-1880
- 111 FORMAN, P. Molecular Beam Measurements of Nuclear Moments before Magnetic Resonance. Part I: I. I. Rabi and Deflecting Magnets to 1938
- 219 JARRELL, R. A. Visionary or Bureaucrat? T. H. Huxley, the Science and Art Department and Science Teaching for the Working Class
- 35 MAGNELLO, M. E. Karl Pearson's Mathematization of Inheritance: From Ancestral Heredity to Mendelian Genetics (1895-1909)
- 241 MERTENS, J. From the Lecture Room to the Workshop: John Frederic Danielli, the Constant Battery and Electrometallurgy around 1840
- 263 MUCCHIELLI, L. Aux origines de la psychologie universitaire en France (1870-1900): enjeux intellectuels, contexte politique, réseaux et stratégies d'alliance autour de la *Revue philosophique de Théodule Ribot*
- 161 ROBOTTI, N., and PASTORINO, F. Zeeman's Discovery and the Mass of the Electron
- 185 SHEYNIN, O. Stochastic Thinking in the Bible and the Talmud
- 369 YAMALIDOU, M. Molecular Ideas in Hydrodynamics

Book Reviews

Books are gathered together under the titles of sections that are used in the issues of the journal. Essay reviews commence the list as a group of their own.

Essay Reviews

- 95 HOYT, W. G. *Lowell and Mars* (D. Strauss)
- 315 LEIBNIZ, G. W. *Sämtliche Schriften und Briefe*, Dritte Reihe: *Mathematischer, naturwissenschaftlicher und technischer Briefwechsel*, Band 4: Juli 1683-Dezember 1690; and *Sämtliche Schriften und Briefe*, Siebente Reihe: *Mathematische Schriften*, Band 2: 1672-1676 (2. Teil) (P. Beeley)

Editions and Selections

422 BOTTAZZINI, U., and MIKHAILOV, G. (editors) *Die Werke von Daniel Bernoulli*, vol. 1. *Mathematische Jugendschriften* (R. Thiele)

202 DAVIS, E. A. (editor) *Science in the Making. Scientific Development as Chronicled by Historic Papers in the 'Philosophical Magazine'*—with *Commentaries and Illustrations. Vol. 2: 1850–1900* (P. M. Harman)

422 ENGLEBERT, A. *Die Werke von Daniel Bernoulli*, vol. 7. *Technologie I.* (R. Thiele)

422 HOWALD-HALLER, M. *Die Werke von Daniel Bernoulli*, vol. 1. *Position-astronomie* (R. Thiele)

421 JAMES, F. A. J. L. *The Correspondence of Michael Faraday*, vol. 3, 1841–1848 (M. Dörries)

321 JUNKER, T., and RICHMOND, M. (editors) *Charles Darwin's Correspondence with German Naturalists: A Calendar with Summaries, Biographical Register and Bibliography. Charles Darwins Briefwechsel mit deutschen Naturforschern: Ein Kalandarium mit Inhaltsangaben, biographischem Register und Bibliographie* (P. J. Bowler)

320 KOX, A. J., KLEIN, M. J., and SCHULMANN, R. (editors) *The Collected Papers of Albert Einstein*, vol. 6. *The Berlin Years: 1914–17* (C. W. Kilmister)

201 LEIBNIZ, G. W. *Sämtliche Schriften und Briefe*, Series III: *Mathematischer, naturwissenschaftlicher und technischer Briefwechsel*, vol. 4: July 1683–1690 (J. G. Yoder)

199 PIETSCH, T. W. (editor) *Fishes, Crayfishes, and Crabs: Louis Renard's 'Natural History of the Rarest Curiosities of the Seas of the Indies'* (J. F. M. Clark)

422 RADLET-DE GRAVE, P., and SPEISER, D. (editors) *Die Werke von Daniel Bernoulli*, vol. 7. *Magnetismus* (R. Thiele)

319 TELLE, J. (editor) *Abraham von Franckenberg Briefwechsel* (C. Webster)

422 ZIMMERMAN, V., and VERZAR, F. (editors) *Die Werke von Daniel Bernoulli*, vol. 1. *Medizin und Physiologie* (R. Thiele)

Biographies

204 CAROZZI, A. V., and NEWMAN, J. K. *Horace-Benedict de Saussure; Forerunner in Glaciology. Mémoires de la Société de Physique et d'Histoire Naturelle de Genève*, Vol. 48 (T. Frängsmyr)

321 CHRISTIANSON, G. E. *Edwin Hubble: Mariner of the Nebulae* (K. Hufbauer)

423 CONNOR, C. D. *Jean Paul Marat. Scientist and Revolutionary* (J. L. Heilbron)

204 GRISON, E. *L'Etonnant parcours du Républicain J. H. Hassenfratz (1755–1827)* (M. Bradley)

322 RUSSELL, C. A. *Edward Frankland: Chemistry, Controversy and Conspiracy in Victorian England* (T. H. Levere)

203 SHORTLAND, M., and YEO, R. (editors) *Telling Lives in Science: Essays on Scientific Biography* (P. J. Bowler)

Institutions; Education, Libraries, Museums

424 *L'Ecole d'application de l'artillerie et du génie de Metz (1802–1870). Enseignement et recherches. Actes de la Journée d'étude de 2 novembre 1995* (I. Grattan-Guinness)

206 BEAUCHAMP, K. G. *Exhibiting Electricity* (C. A. Hempstead)

205 DIENEL, H.-L. *Ingenieure zwischen Hochschule und Industrie: Kältetechnik in Deutschland und Amerika, 1870–1930* (W. Weber)

425 FIELD, J. V., and JAMES, F. A. J. L. *Science in Art: Works in the National Gallery That Illustrate the History of Science and Technology* (C. R. Hill)

Historiography of Science

427 HENRY, J. *The Scientific Revolution and the Origin of Modern Science* (M. Oster)

323 NUMBERS, R. L., and ROSENBERG, C. E. (editors) *The Scientific Enterprise in America: Readings from Isis* (S. Hong)

Philosophical Aspects of Science

428 JAMES, J. *The Music of the Spheres: Music, Science and the Natural Order of the Universe* (I. G. Stewart)

428 PETTERSSON, M. *Complexity and Evolution* (M. Bradie)

Social Aspects of Science; Religion

207 BOWLER, P. J., and WHYTE, N. (editors) *Science and Society in Ireland—The Social Context of Science and Technology in Ireland, 1800–1950* (C. Mollan)

210 CLAVELIN, M. *La philosophie naturelle de Galilée*, 2nd edn. (M. A. Finocchiaro)

430 CROSLAND, M. P. *Studies in the Culture of Science in France and Britain Since the Enlightenment* (P. Brett)

209 MORRELL, J. *Science, Culture and Politics in Britain, 1750–1870* (I. Inkster)

Renaissance and Reformation

433 BEDINI, S. A. *The Pope's Elephant* (H. E. Turner)

Eastern and Oriental Science

433 NASR, S. H. *Islamic Science. An Illustrated History* (S. Ackermann)

Natural Philosophy

435 RUESTOW, E. G. *The Microscope in the Dutch Republic: The Shaping of Discovery* (W. D. Hackmann)

434 WALLS, L. D. *Seeing New Worlds: Henry David Thoreau and Nineteenth-Century Natural Science* (J. Smith)

Mathematics and Logic

211 CAVEING, M. *Essai sur le savoir mathématique dans la Mésopotamie et l'Égypte anciennes*. (Volume 1 of *La constitution du type mathématique de l'idéalité dans la pensée grecque*) (S. Unguru)

105 FRANCI, R., PAGLI, P., and RIGATELLI, L. T. (editors) *Itinera mathematica. Studi in onore di Gino Arrighi per il suo 90° compleanno* (I. Grattan-Guinness)

325 MALET, A. *From Indivisibles to Infinitesimals* (C. W. Kilmister)

325 MEDVEDEV, F. A. *Scenes from the History of Real Functions* (H. Gispert)

436 OTTE, M., and PANZA, M. (editors) *Analysis and Synthesis in Mathematics* (I. Grattan-Guinness)

438 PYCIOR, H. M. *Symbols, Impossible Numbers, and Geometric Entanglements: British Algebra through the Commentaries on Newton's Universal Arithmetick* (M. Seltman)

438 STADLER, F. *Studien zum Wiener Kreis. Ursprung, Entwicklung und Wirkung des Logischen Empirismus im Kontext* (I. Grattan-Guinness)

Astronomy and Cosmology, Space and Time

440 WILSON, R. *Astronomy Through the Ages: The Story of the Human Attempt to Understand the Universe* (H. A. L. Dawes)

Physical Sciences: Heat, Optics, Chemistry

105 BENSAUDE-VINCENT, B., and STENGERS, I. *A History of Chemistry*, translated by DEBORAH VAN DAM (S. F. Mason)

Technology and Engineering

213 FOX, R. (editor) *Technological Change: Methods and Themes in the History of Technology* (B. J. Hunt)

441 NAUMANN, F. *Georgius Agricola: 500 Jahre* (A. G. Keller)

Instruments and Measurement

325 BASSO RICCI, M., CAFARELLA, L., MELONI, A., and TUCCI, P. *Due Secoli di Strumenti Geomagnetici in Italia (1740–1971)* (A. McConnell)

214 CHAPMAN, A. *Astronomical Instruments and Their Users: Tycho Brahe to William Lassell*. (Variorum Collected Studies Series: 530) (D. J. Bryden)

442 DE CLERCQ, P. *At the sign of the Oriental Lamp: The Musschenbroek workshop in Leiden, 1660–1750* (J. Tapdrup)

442 DE CLERCQ, P. *The Leiden Cabinet of Physics: A descriptive Catalogue* (J. Tapdrup)

Geography: Maps, Charts, Travel, Exploration, Navigation

216 ANDREWES, W. J. H. (editor) *The Quest for Longitude. The Proceedings of the Longitude Symposium* (H. G. van Bueren)

214 KUKLICK, H., and KOHLER, R. E. (editors) *Science in the Field, Osiris Second Series*, Volume 11 (B. Hartley)

Earth Sciences

107 TAN DRAKE, E. *Restless Genius, Robert Hooke and his Earthly Thoughts* (A. Chapman)

445 GILES, B. D., and KENWORTHY, M (editors) *Observatories & Climatological Research*. Occasional Publication No. 29 (M. Crew)

445 KENWORTHY, J. M., and WALKER, J. M. (editors) *Colonial Observatories & Observations: Meteorology and Geophysics*. Occasional Publication No. 31 (M. Crew)

327 OLDROYD, D. R. *Thinking About the Earth: A History of Ideas in Geology* (K. L. Taylor)

Medicine and Health

446 MARKS, H. M. *The Progress of Experiment: Science and Therapeutic Reform in the United States, 1900–1990* (C. Lawrence)

447 PARACELSUS *Four Treatises*. Edited, with a Preface by HENRY E. SIGERIST. Translated with Introductory Essays by C. LILLIAN TEMKIN, GEORGE ROSEN, GREGORY ZILBOORG, and HENRY E. SIGERIST (C. Webster)

